

## AMENDMENTS TO THE CLAIMS

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1. (Currently amended): An application development server, comprising:
- a storage unit for storing a plurality of working definitions for a plurality of computing environments; ~~[[and]]~~
  - an interface for receiving requests for one of the plurality of computing environments from and transferring the requested one of the plurality of computing environments to a client over a communications line; ~~[[wherein]]~~
  - each one of said plurality of computing environments including a set of first working definitions that define a plurality of applications and a second working definition that defines said each one of said plurality of computing environments, said set of first working definitions and said second working definition being included in said plurality of working definitions;
  - each one of said set of first working definitions including platform independent definitions that define characteristics of one of said plurality of applications that are necessary to construct a valid runtime image of said one of said plurality of applications, said characteristics including state, settings, and structures required to build said runtime image of said one of said plurality of applications; and
  - said second working definition including platform independent definitions that define characteristics of said each one of said plurality of computing environments that are necessary to construct a valid runtime image of said each one of said plurality of computing environments, said characteristics including state, settings, and structures required to build said runtime image of said each one of said plurality of computing environments.
- ~~the working definition for each computing environment is sufficient from which to construct a valid runtime image of the respective computing environment.~~

2. (Currently amended): The application development server as recited in claim 1, wherein the communication line ~~[[network]]~~ is the Internet.

Please cancel claims 3-4.

5. (Currently amended): The application development server as recited in claim 1, wherein each one of said set of first working definitions includes ~~[[the encapsulated development environment comprises]]~~ source code for one of said plurality of ~~[[the]]~~ applications defined by said one of said set of first working definitions.

6. (Currently amended): The application development server as recited in claim 1, wherein encrypted links are sent to the client along with the requested one of the plurality of computing environments ~~[[encapsulated development environment]]~~, the encrypted links providing support for development, testing, beta testing, and deployment of the plurality of applications.

Please cancel claims 7-8.

9. (Currently amended): The application development server as recited in claim 1, wherein the communications line ~~[[network]]~~ is an intranet.

Please cancel claim 10.

11. (Currently amended): The application development server ~~[[method]]~~ as recited in claim 1 ~~[[10]]~~, further comprising:

said interface for receiving an update to one of said set of first working definitions ~~[[the encapsulated development environment]]~~; and

~~[[modifying]]~~ said one of said set of first working definitions being modified ~~[[the encapsulated development environment]]~~ to reflect ~~[[such]]~~ said update.

12. (Currently amended): The application development server as recited in claim 1, further comprising: ~~[[A method of providing different views into a construct, the method comprising:]]~~

~~[[detecting]]~~ a change occurring within a data processing system;  
responsive to a determination that the change affects one of said set of first working definitions, ~~[[effects a working definition of the construct, modifying]]~~ the one

of said set of first working definitions being modified ~~[[of the construct]]~~ to reflect ~~[[a change indicated by]]~~ the change; and

~~[[updating]]~~ the runtime image of one of said plurality of applications defined by said one of said set of first working definitions being updated. ~~[[representations of the construct.]]~~

13. (Currently amended): The application development server ~~[[method]]~~ as recited in claim 12, wherein the change is an event.

Please cancel claims 14-24.

25. (New): A computer program product, comprising:

instruction means for storing a plurality of working definitions for a plurality of computing environments;

instruction means for receiving requests for one of the plurality of computing environments from and transferring the requested one of the plurality of computing environments to a client over a communications line;

each one of said plurality of computing environments including a set of first working definitions that define a plurality of applications and a second working definition that defines said each one of said plurality of computing environments, said set of first working definitions and said second working definition being included in said plurality of working definitions;

each one of said set of first working definitions including platform independent definitions that define characteristics of one of said plurality of applications that are necessary to construct a valid runtime image of said one of said plurality of applications, said characteristics including state, settings, and structures required to build said runtime image of said one of said plurality of applications; and

said second working definition including platform independent definitions that define characteristics of said each one of said plurality of computing environments that are necessary to construct a valid runtime image of said each one of said plurality of computing environments, said characteristics including state, settings, and structures

required to build said runtime image of said each one of said plurality of computing environments.

26. (New): The product as recited in claim 25, wherein each one of said set of first working definitions includes source code for one of said plurality of applications defined by said one of said set of first working definitions.

27. (New): The product as recited in claim 25, further comprising instruction means for sending encrypted links to the client along with the requested one of the plurality of computing environments, the encrypted links providing support for development, testing, beta testing, and deployment of the plurality of applications.

28. (New): The product as recited in claim 25, further comprising:  
instruction means for receiving an update to one of said set of first working definitions; and  
instruction means for modifying said one of said set of first working definitions to reflect said update.

29. (New): The product as recited in claim 25, further comprising:  
instruction means for detecting a change within a data processing system;  
responsive to a determination that the change affects one of said set of first working definitions, instruction means for modifying the one of said set of first working definitions to reflect the change; and  
instruction means for updating the runtime image of one of said plurality of applications defined by said one of said set of first working definitions.

30. (New): A method for providing automated software development to a client, said method comprising:  
storing a plurality of working definitions for a plurality of computing environments;

receiving requests for one of the plurality of computing environments from and transferring the requested one of the plurality of computing environments to a client over a communications line;

each one of said plurality of computing environments including a set of first working definitions that define a plurality of applications and a second working definition that defines said each one of said plurality of computing environments, said set of first working definitions and said second working definition being included in said plurality of working definitions;

each one of said set of first working definitions including platform independent definitions that define characteristics of one of said plurality of applications that are necessary to construct a valid runtime image of said one of said plurality of applications, said characteristics including state, settings, and structures required to build said runtime image of said one of said plurality of applications; and

said second working definition including platform independent definitions that define characteristics of said each one of said plurality of computing environments that are necessary to construct a valid runtime image of said each one of said plurality of computing environments, said characteristics including state, settings, and structures required to build said runtime image of said each one of said plurality of computing environments.

31. (New): The method as recited in claim 31, wherein each one of said set of first working definitions includes source code for one of said plurality of applications defined by said one of said set of first working definitions.

32. (New): The method as recited in claim 31, further comprising sending encrypted links to the client along with the requested one of the plurality of computing environments, the encrypted links providing support for development, testing, beta testing, and deployment of the plurality of applications.

33. (New): The method as recited in claim 31, further comprising:  
receiving an update to one of said set of first working definitions; and  
modifying said one of said set of first working definitions to reflect said update.
34. (New): The method as recited in claim 31, further comprising:  
detecting a change within a data processing system;  
responsive to a determination that the change affects one of said set of first  
working definitions, modifying the one of said set of first working definitions to reflect  
the change; and  
updating the runtime image of one of said plurality of applications defined by said  
one of said set of first working definitions.
35. (New): The method as recited in claim 34, wherein the change is an event.
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